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ABSTRACT

This document analyzes data on student transfers from Pennsylvania community colleges. The major sources of data are community college follow-up reports on graduates (3,132 transfers reported); the statistical reports of enrollments by receiving institutions (4,001 transfers reported); and the results of a Pennsylvania Association of Counselors for Transfer (PACT) follow-up survey of community college graduate transfers. The PACT survey analyzes data received from the 1,184 respondents by age, program, and receiving institution. Seven hundred forty were under 23; 271 were between the ages of 23 and 30; and 113 were over 30. The program areas most frequently chosen were education (282), business and management (259), and social services (154). Data from the PACT survey also reveals that 346, or 29 percent of the respondents, had some difficulty in the transfer process. In addition, the 369 transfers to Penn State Capitol Campus in 1974 are analyzed to determine how many students have a lapse of time between community college graduation and enrollment at a four-year institution. Data are organized into tabular form throughout, and 12 comprehensive charts are appended. (NHM)

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An Analysis of Student Transfers from Pennsylvania Community Colleges

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SUMMARY

Community colleges in Pennsylvania continue to show strong growth in enrollments although the increase for all postsecondary institutions has slowed and enrollments are expected to drop in several years. A result of the increase in community college enrollments is that more students are attending community colleges first and then transferring to four-year institutions. This report analyzes data with respect to these transfers.

Community college follow-up reports on their graduates and the statistical report of enrollments by receiving institutions are the major sources of data. The results of a survey conducted by the Pennsylvania Association of Counselors for Transfer (PACT) showing articulation data by age, program and institution are included. Also, the 1974 transfers to Penn State Capitol Campus are analyzed to determine how many students have a lapse of time between the completion of their work at the community college and enrollment at the upper division institution.

Findings

1. The community colleges, through their own follow-up procedures, reported 3,132 graduate transfers. Of these, 1,276 transferred to state-related institutions, 739 to state-owned, 620 to private, 366 went out-of-state and 131 transferred to state-aided institutions.

2. Reports of community college students enrolled at the receiving institutions totaled 4,001. The state-related enrolled 1,908, the state-owned, 1,128, private institutions, 767 and private state-aided, 198. The community college enrollments reported by the receiving institutions are larger than the graduate transfers because they include graduate as well as nongraduate transfers. Also, the figures include students who have a time lapse between the completion of their community college studies and a transfer into a four-year program.

3. Sophomore standing at the state-related institutions was awarded 15 per cent of the transfers in 1974 compared to 33 per cent in 1973. This suggests that either more students are completing their community college program before making a transfer or that the articulation between segments has improved so that more graduate transfers are being received into the four-year institution on a junior level.

4. Of particular note is that there are more transfers occurring from four-year to four-year institutions (9,438) than from two-year to four-year (5,241) at Pennsylvania institutions.

5. Of the 1,184 students responding to the PACT survey of graduate transfers, 740 were under 23, 271 were between the ages of 23-30 and 113 were over 30, while 60 did not state their age. The program areas most frequently chosen were: education (282), business and management (259) and social services (154).

6. Data from the PACT survey also revealed that 346, or 29 per cent of the 1,184 students responding, had some difficulty in the transfer process. The type of difficulties experienced were: transfer of credits (252), administration problems such as transcripts not arriving on time (57), financial problems related to the transfer (33) and housing (4).

7. The PACT survey also revealed that the highest percentage (34 per cent) of credit transfer difficulties occurred for transfers to accounting. Since most of the students were accounting majors at the community college, this indicates that transfer difficulties arise even when the transfer is between related program areas.

8. The 369 community college transfers to Penn State Capitol Campus in 1974 were listed by the year that they last attended a community college. The results were: 226 in 1974, 99 in 1973, 22 in 1972, seven in 1971, seven in 1970, six in 1969, one in 1968 and one in 1967.

9. In an analysis of the three campuses of the Community College of Allegheny County, only 28 of the 615 graduate transfers were to Pennsylvania schools beyond commuting distance from Allegheny County.

The recommendations are to continue to analyze the transfer patterns of community college students and to possibly explore the impact of the four-year to four-year transfer.

An Analysis of Student Transfers From Pennsylvania Community Colleges

Background

The year 1975 is the peak year for the number of high school graduates in Pennsylvania. The projected number of students receiving high school diplomas will drop from approximately 191,300 in 1975 to 176,600 in 1980 and will continue to decrease sharply after 1980. This decrease will affect higher education enrollments.

Currently, in Pennsylvania, the total first-time enrollments in postsecondary institutions continue to increase but more slowly than in the past. The following table shows the enrollment for 1972, 1973 and 1974 with the per cent of change by category of institution from year to year.

Table 1

Enrollments for 1972, 1973 and 1974 and Per Cent of Change[1]

Category of Institution	1972	1973	1974	Per Cent Change 1972-73	Per Cent Change 1973-74
Total, All Institutions	437,920	448,629	455,341	+ 2.4	+ 1.5
State-Owned	76,214	76,899	78,172	+ .9	+ 1.7
State-Related	123,781	130,153	130,695	+ 5.1	+ .4
Community Colleges	50,675	54,449	59,711	+ 7.5	+ 9.7
Private State-Aided	37,735	38,157	39,629	+ 1.1	+ 3.9
Private	134,433	134,261	132,315	- .1	- 1.5
Theological Seminaries	2,154	2,323	2,526	+ 7.3	+ 8.7
Private Junior Colleges	5,039	4,522	4,644	- 11.1	+ 2.7
Proprietary Schools	7,878	7,865	7,649	- .1	- 2.8

[1] *Our Colleges and Universities Today--Summer and Fall College Enrollments in Pennsylvania*, Vol. XII, No. 1, Division of Educational Statistics, Bureau of Information Systems, Pennsylvania Department of Education, 1974, pp. 4-6.

Enrollments for all categories continued to rise but the per cent of growth was 1.5 per cent for 1974, compared to 2.4 per cent for the previous year. The state-owned institutions increased their rate of growth while the state-related sector had a lowered growth rate for 1974. The private state-aided colleges tripled their rate of growth while enrollment at private colleges declined by 1.5 per cent. Theological seminaries continued to increase. Private junior colleges reversed their 11.1 per cent decline in 1973 to a 2.7 per cent growth in 1974. The proprietary schools intensified their drop in enrollments.

However, the segment of higher education experiencing the largest percentage of change in Pennsylvania is the community colleges. Enrollments in this area show a 9.7 per cent growth over the previous year. This increase represents 5,262 additional students attending community colleges. This report continues an analysis of community college transfer students undertaken by the Division of Research in 1971.

Procedure

The data gathered for this study is more complete than that gathered in other years. The colleges follow-up reports on their graduates and the statistical report of enrollments by receiving institutions continue to be the major source of data. In addition, the results of a survey conducted by the Pennsylvania Association of Counselors for Transfer (PACT) showing articulation data by age, program and institution are included. Also, an analysis of transfers to Penn State, Capitol Campus shows, by program, the lapse of time between the students completion of the community college program and the time of entry into an upper-division institution.

Graduate Transfers as Reported by Community Colleges

Each community college submitted data; therefore, reports on graduate transfers are complete for the first time in this analysis. However, there continues to be a difference in the manner of data collection. Some colleges conduct an exhaustive follow-up survey of students actually enrolling at the particular institution listed. Other colleges base their report on a survey of intent to enter a school without actually confirming the entry with the receiving institution. Still, other colleges only keep a count of the number of transcript requests.

Table 2 shows the total transfers, by segments, as reported by the community colleges over a three-year span. The number of transfers reported by the colleges has continued to grow steadily for each segment except the state-owned and the state aided. The state-owned institutions showed a drop in 1972-73 but regained some of the loss in 1973-74. The state-aided institutions showed a continual decline for the three years presented. The state-related segment absorbed the largest number of transfers followed by the state-owned.

Table 2

Total Graduate Transfers by Segment as Reported by the Community Colleges for 1971-72, 1972-73 and 1973-74

Year	1971-72	1972-73	1973-74
Total	2,695	2,796	3,132
Out-of-State	291	332	366
State-Related	974	1,036	1,276
State-Owned	792	709	739
State-Aided	192	157	131
Private	446	562	620

Appendix 1 shows the 1973-74 graduate transfers to four-year institutions as reported by community colleges through student follow-up procedures. The transfers are shown for each four-year institution. Philadelphia (809) and Allegheny (615) graduate transfers are the largest among the community colleges. Temple accepted the most graduate transfers (671) followed by Penn State (362) and the University of Pittsburgh (243). The college accepting the most graduate transfers outside of the state-related segment was Kutztown State College with 108.

Appendix 2 shows the 1973-74 graduate transfers from each of the three campuses of the Community College of Allegheny County to the receiving institutions. It is interesting to note that there were only 28 transfers to Pennsylvania colleges beyond commuting distance. Of the 615 graduate transfers reported by Allegheny, 237 transferred from the Allegheny campus, 185 from the Boyce campus and 193 from the South campus. Out-of-state institutions received 95 students, state-related 238 and private colleges and universities 151.

Transfers as Reported by Receiving Institutions

The collection of transfer data from the receiving institution was expanded in this report to include private institutions. This is the first analysis that contains a complete report of community college transfers by all types of four-year institutions within Pennsylvania. However, there is no way to distinguish those students currently transferring from those who have engaged in some other activity for several years before continuing their education at a four-year institution. An attempt to determine the number of students who transfer after a "time-lapsed" sequence away from school is included in another section of this report entitled "Time-lapsed Transfers." Therefore, the data concerning transfers, as reported by receiving institutions, includes all new enrollments from community colleges.

The transfer data reported by the receiving institutions does not discriminate between students transferring directly from the community college, nor does it distinguish between graduate and nongraduate transfers. Three years of historical data are available for the state-related and state-owned transfers by class standing and all are presented in Table 3.

The most striking aspect of the transfer data as presented by these two segments is the change in the class level of the transfers at the state-related institutions. Sophomores made up only 15 per cent of the transfers in 1974 compared to 33 per cent in 1973. Freshmen transfers were also lower in 1974, but junior class transfers increased from 53 per cent in 1973 to 73 per cent in 1974. These data suggest that either more students are completing their community college program before making a transfer or the relationship between segments has improved so that more graduate transfers are being received into four-year institutions on a junior level.

A similar trend appears at the state-owned institutions, but the shift is reflected by a minor percentage change. The total number of transfers received by the state-owned colleges, as reported, is down from 1,242 in 1973 to 1,123 in 1974. However, data for the leading transfer recipient in 1973 was not available for 1974.

Table 3

In-State Transfers Reported by Receiving Institutions for 1972-1974 by Institutional Segment and Class Standing

Segment	1972	Per Cent	1973	Per Cent	1974	Per Cent
State-Related						
Freshmen	152	10	265	14	224	12
Sophomores	521	35	604	33	287	15
Juniors	831	55	1,001	53	1,370	73
TOTAL	1,504	100	1,870	100	1,881	100
State-Owned						
Freshmen	193	15	232	19	198	17
Sophomores	677	51	570	46	490	44
Juniors	456	34	440	35	435	39
TOTAL	1,326	100	1,242	100	1,123	100

Appendix 3 shows the distribution of the transfers for each college in the state-related, state-owned, state-aided and private segments. These figures include 24 transfers on the senior level that were eliminated from the Table 3 analysis by class standing. Of the 1,908 transfers to state-related institutions, 961 went to Temple, 523 to Penn State and 424 to the University of Pittsburgh. The state college receiving the most transfers in 1973 was Kutztown. However, 1974 data for this college was not available. The college reporting the most transfers in 1974 was West Chester with 172. The total transfers to the state-aided sector were 198. Drexel accepted 78 of the transfers. Private institutions accepted 767 transfers. However, several colleges known to accept sizable numbers of transfers such as LaSalle and Duquesne did not furnish information for this report. The private college that reported receiving the most transfers (94) was St. Joseph's.

Appendix 4 lists the transfers by class and institutional category as reported by the receiving institutions. Data show the number of transfers not only from Pennsylvania colleges but from institutions outside Pennsylvania. There were 15,927 transfers to Pennsylvania institutions in 1974. Of these 11,294 came from within Pennsylvania and 4,633 from institutions outside Pennsylvania. Of the 11,294 transfers from Pennsylvania institutions, 4,171 were from community colleges, 519 from private junior colleges, 6,266 from four-year institutions and 378 from other areas such as nursing schools.

There are more transfers occurring from four-year to four-year institutions (6,226) than from community colleges to four-year institutions (4,171) within the state. When transfers from out-of-state are added to these data, the totals become 9,438 from four-year institutions and 5,241 from community colleges. There has been no effort to determine the reasons for the four-year transfers or if these students have articulation difficulties.

Appendix 5 shows the admissions of transfers with associate degrees by class and institutional category for 1974. The data collected from the responding receiving institutions indicate that 1,560 community college graduates transferred to Pennsylvania colleges and universities. This number, however, is far short of the 2,766 transfers reported by community colleges. Possible explanations for this discrepency include: (1) the nonresponding institutions reduced the actual transfer report significantly, (2) the approximation reporting by some of the community colleges resulted in an inflated report of graduate transfers by the community colleges and/or (3) the receiving institutions have not adequately identified transfers under the junior level as graduates. Of the 1,560 graduate transfers, 15 were admitted as freshmen, 129 as sophomores, 1,410 as juniors and six as seniors.

Appendix 6 shows the relationship between the Philadelphia Community College transcript request and the number of students reported as being admitted to each four-year institution. Philadelphia is the community college with the largest number of transfers. Generally, the number of requests for transcripts received is twice as large as the number of students who actually enroll at a particular institution. In instances where there is greater variation, the institutions involved may want to pursue dialogue on this matter.

PACT Survey Results

The Pennsylvania Association of Counselors for Transfer conducted a follow-up survey of the community college graduate transfers. The 1,184 survey forms were then processed within the Department of Education for inclusion in this report. The data received through the survey were analyzed by age, program and receiving institution.

Analysis of Age and Programs Selected

An analysis was made of the ages of students by each major chosen at the receiving institution. The categories listed are: those who did not state their age, those under 23, those 23-30 and those over 30. Of the 1,184 students reporting, 60 (5.1 per cent) did not state their age, 740 (62.5 per cent) were under 23, 271 (22.9 per cent) were between the ages of 23-30 and 113 (9.5 per cent) were over 30.

The program areas most frequently chosen by transfers were: education (282), business and management (259) and social sciences (154). Table 4 below shows the age distribution for three program areas and the total category distribution.

Table 4

Age Distribution in the Most Frequently Chosen Programs

	Total		Not Stated		Under 23		23-30		Over 30	
Category	No.	%	No.	%	No.	%	No.	%	No.	%
Education	282	100.0	14	5.0	201	71.3	42	14.9	25	8.8
Business & Management	259	100.0	16	6.2	149	57.5	67	25.9	27	10.4
Social Services	154	100.0	5	3.3	94	61.0	37	24.0	18	11.7
All Categories	1,184	100.0	60	5.1	740	62.5	271	22.9	113	9.5

Of the 1,184 students in the sample, 740 (62.5 per cent) were in the under 23 age category. Education was selected more frequently by the younger students (71.3 per cent were under 23.) A higher percentage of older students were represented in business and management and in social sciences. A complete age category summary of transfers by major at receiving institution is found in Appendix 7.

Within the major category of education, elementary education was selected by 130 of the 282 students choosing education at a four-year institution. The second most popular sub-category with education was special education with 32 choices. Secondary education was third highest with 15 choices.

The business and management sector shows 120 students selecting a business management administration program and 91 selecting accounting. Marketing and purchasing with 16 choices was the third most popular of the 259 students selecting business and management programs.

Social sciences were selected by 154 students. The specific program choices within this category were more widely distributed--criminology 43, the general social science course 27, political science 23, sociology 21 and economics 12.

Analysis by Program

A summary of transfers by community college program, with indication of student's GPA and transfer difficulties, appears in Appendix 8. Of the 1,184 students represented by the survey, 346 (29 per cent) experienced some difficulty in the transfer process. The distribution of the 346 with difficulties is: 252 had difficulty with the transfer of credits, 33 had financial problems connected with the transfer, four listed housing as a problem and 57 stated that there was a college administrative problem such as transcripts not arriving on time.

The community college programs producing the most student transfers are listed in Table 5. The number of credit transfer difficulties for each program listed is shown as a percentage of the transfers from each program. Only the credit transfer type of difficulty is listed since the other difficulties listed on the PACT survey do not have specific program relevance.

Table 5

Credit Transfer Difficulties Among
the Most Popular Program Areas

Program	Transfers	Credit Difficulties	Per Cent
Liberal Arts	244	51	20.9
Business Management & Administration	141	32	22.7
Elementary Education	91	22	24.2
Criminology	73	9	12.3
Accounting	47	16	34.0
All Programs	1,184	346	29.2

The PACT survey respondents revealed that the program choices of the 244 transfers from liberal arts were widely distributed among 74 uppper-division programs. The leading choices: psychology 33, elementary education 14, accounting 12 and journalism 10.

The 141 students transferring from business management and administration at the community colleges selected a narrower range of programs at the four-year institutions than the liberal arts transfers. Eighty-one students continued the same program at the upper-division school, and 27 students chose accounting. All other choices were made by fewer than seven students.

All except seven of the transfers from elementary education chose education programs. Of the total 91 students transferring from this program, 66 continued their study in elementary education.

Criminology was chosen by 36 of the 73 transfers in this porgram as a continued program of study. And, 40 of the 47 accounting transfers continued their study in the same program.

An interesting observation from this analysis is that the highest percentage of students having difficulties with the transfers of credit was found in accounting. However, 40 of the 47 transfers in this area chose accounting at the four-year institutions. When students have difficulty with the transfer of credit, the general assumption is that either a transfer was made to an unrelated program area or that D grades were a transfer problem. Since most of the students made a direct transfer, the "unrelated" aspect is not a factor. Five of the 16 students reporting difficulty did indicate that they had received D grades. However, there may be a need for improved articulation procedures in this area.

The programs selected by the transfers at the four-year institutions were listed separately for transfers in each community college program. Appendix 9 lists those segments of transfer which involved five or more students. The number of transfers is distributed according to the grade point average attained at the community college. The number of students having difficulty with transfer of credit also appears for each program area.

All transfers of five or more students involved articulation from specialized programs at the community colleges to identical or closely related program areas at the receiving institutions. Therefore, it was not possible to determine if more difficulties arose in the transfer of credit in instances where students chose unrelated programs.

Program areas where students had the most difficulty with transfer are: social work--all 11 transfers expressed difficulty; preelementary education--13 of the 18 (72 per cent) students had difficulty; accounting--22 of 40 (55 per cent) had difficulty and elementary education where 31 of the 73 (42 per cent) had difficulty.

The program category of general liberal arts and sciences had a rather widely dispersed transfer array of student programs at the receiving institution. Of the 1,184 students responding to the survey, 244 were graduates of the general program area at the community college. Over half (156) consituted transfer blocks of five or more students in the transfer process. Table 6 shows this dispersement.

Table 6

General Liberal Arts and Sciences Transfers to Programs at Receiving Institution with Indication of Student's GPA and Transfer Difficulties

Transfers	Program at Receiving Institution	GPA				Credit Transfer Difficulties
		Not Stated	Less Than 2.0	2.1-3.0	3.1-4.0	
9	No Indication	1		4	4	2
8	Biology	1		3	4	1
12	Accounting	1		8	3	10
5	Business Management & Administration	1			4	3
10	Journalism	1		3	6	1
7	Education			3	4	2
14	Elementary Education	3		6	5	6
9	Special Education	2		1	6	6
8	English	1		3	4	1
6	Mathematics			3	3	6
33	Psychology	5	1	12	15	16
8	Social Sciences			3	5	8
9	Political Science & Government			6	3	6
7	Sociology			4	3	3
11	General Liberal Arts	1		5	5	9
Total 156		17	1	64	74	80

The articulation that produced the greatest number of difficulties was the 16 students transferring to psychology. Ten of the 12 transfers to accounting (83 per cent) had difficulty, resulting an a high percentage of students indicating problems. Since accounting can be considered a less related program transfer this seems like an indication of increased difficulties due to unrelated program transfer. To some extent this may be true, but, in the accounting to accounting articulation, 55 per cent of the students had difficulty in transferring. However, with such limited numbers there is no conclusive evidence that students are transferring to unrelated programs or that their articulation is more difficult in the instances when the transfer is less related.

Analysis by Receiving Institution

Although there was transfer activity in 150 programs, only 20 programs were chosen by five or more students in the PACT survey. Similarly, 84 four-year institituions in Pennsylvania accepted transfers from community colleges, but only 14 institutions had five or more transfers to particular programs at the receiving school. The students in these programs and institutions appear as a matrix in Appendix 10.

The greatest number of transfers in a particular program at a particular institution are: 43 transfers admitted to the business management and administration program at Penn State Capitol Campus, Temple admitted 20 to the elementary education program and Capitol Campus admitted 16 to the accounting program and 16 to elementary education.

Appendix 11 shows the variables of these transfers with reference to GPA, choice of instruction, the amount of credits completed, the number of credits accepted and the difficulties by type of difficulty. The difficulties are grouped into four types: transfer of credits, financial, housing and administrative problems such as transcripts not arriving on time. Colleges are grouped by the higher education planning regions so that the transfer impact could be more easily viewed from a regional perspective. Regions 3, 4, 7, 9 and 10 did not have any instititions accepting five or more transfer students to a particular program.

Appendix 11 lists the transfers to each of these institutions by program. In addition to the GPA, the number of students choosing the receiving institution as a first or second choice is listed. The number of credits completed by transfers to each program is categorized by under 60, 60-70 and over 70. The number of students having all credits accepted are distinguished from those who did not. The number of students having difficulty is also listed by program.

Most of the students stated that they did not know if all their credits would be accepted at the time they were accepted at the institution. The community college counselors have expressed a concern for the students who find out after they have enrolled at a particular institution that additional courses are needed. The information listed would help to inform area institutions about program and institution articulation.

Time-Lapsed Analysis

The Office of Higher Education was interested in determining the number of community college graduates who do not transfer immediately after graduation but who do enter a four-year institution at some later date. The admission office of the Pennsylvania State University, Capitol Campus, made records available so that community college transfers to the institution could be recorded according to the year work was completed at the community college. Since Capitol Campus does not have a lower division, all transfers would be admitted on a junior level.

There were 369 transfers admitted to Capitol Campus in 1974. Of the 369 transfers, 226 had completed their work at the community college in 1974, 99 in 1973, 22 in 1972, seven in 1971, seven in 1970, six in 1969, one in 1968 and one in 1967. It is apparent that most of the students made the transfer soon after completing their community college experience.

Table 7 shows the distribution of the transfers to Capitol Campus according to the 10 degree programs available at the institution.

In looking at the transfer statistics according to the sex of the student in Table 8, note that the transfers are predominately male. There is no indication of the trend for women to pick up their incompleted education at a later date.

Table 7

Transfers to Capitol Campus by Year Last Attending Community College

Degree Program Entered at Capitol Campus	Grand Total	73-74	72-73	71-72	70-71	69-70	68-69	67-68	66-67
Business	163	101	46	8	2	4	1	1	
Elementary Education	46	29	12	3			1		1
Humanities	28	14	8	2	2		2		
Math Science	6	4	1	1					
Social Science	82	42	27	7	3	1	2		
Building Constr. Technology	9	8				1			
Electrical Design Engineering Tech.	21	19	1						
Mechanical Design Engineering Tech.	1		1						
Transportation Tech.	6	5	1						
Water Resources Tech.	7	4	2	1					
	369	226	99	22	7	7	6	1	1

Table 8

Transfers to Capitol Campus Classified by Sex and Year Last Attended Community College

	Males	Females
73-74	171	55
72-73	74	25
71-72	15	7
70-71	4	3
69-70	6	1
68-69	4	2
67-68	1	2
66-67	0	1
	275	94

In addition, the transfers were classified by veteran and nonveteran status in Table 9.

The data in Table 9, showing the veteran status of transferring students, does not indicate that students transfer at a later date due to military service. Veterans followed the same trend as the rest of the sample. That is, students transferred shortly after completing their community college study. Instead of military experience occurring after the community college experience, data indicate that 104 students in the transfer sample had their military experience prior to the completion of the community college study. A matrix of transfers for the past three years appears in Appendix 12.

Table 9

Transfers to Capitol Campus Classified by Veteran Status and Year Last Attended Community College

	Veteran	Nonveteran
73-74	61	165
72-73	30	69
71-72	6	16
70-71	2	5
69-70	2	5
68-69	3	3
67-68	0	1
66-67	0	1
	104	265

Recommendations

James L. Wattenbarger, director of the Institute of Higher Education in Florida, states that more than half of the junior class in the Florida state university system have begun college work in a community college and predicts that in 1979 40 per cent of the students enrolled in higher education for the first time will be attending community colleges. The statistics presented in this report do not indicate such a dramatic impact of transfers in Pennsylvania. However, community colleges are the segment of higher education that is undergoing the most growth. It seems important, then, that the transfer patterns of community college students continue to be analyzed on a statewide basis.

In addition to the continuation of the community college transfer analysis, there is a need to determine the impact of the large number of transfers from four-year to four-year institutions. The transfers from community colleges both within and outside Pennsylvania total 5,241, and the transfers from four-year to four-year institutions total 9,438. Therefore, it seems important for statewide planners to be familar with the reasons for such a large number of transfers and to know whether these students are having articulation difficulties.

UNIVERSITY OF CALIF.
LOS ANGELES

DEC 19 1975

CLEARINGHOUSE FOR
JUNIOR COLLEGES

Appendix I

1973-1974 Graduate Transfers to Four-Year Institutions as Reported by Community Colleges Through Student Follow-Up Procedures

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Grand Total	236	48	615	124	129	809	267	163	144	264	193	39	45	56	3132
Total Out-of-State	48	9	95	21	10	47	37	13	14	35	27	2	1	7	366
Total State-Related	88	4	238	27	32	521	142	34	13	104	41	14	11	7	1276
Lincoln	34	3	32	3	10	31	136	27	9	25	30	14	2	6	362
Penn State	54			1	22	489	4	7	4	79	10			1	671
Temple		1	206	23		1	2				1		9		243
University of Pittsburgh															
Total State-Owned	54	26	131	44	52	31	60	82	34	75	80	16	24	30	739
Bloomsburg	2				3		1	4	14	5	10			17	56
California		1	52	5					1	1			9		69
Cheyney					3	5				2					10
Clarion		1	4	11			1						1	1	19
East Stroudsburg	9		16		1		1	11	10	9	31			1	89
Edinboro				11			1			3			3		18
Indiana University	5	7	21	5		1	5	1		10		2	8		65
Kutztown	12				1		1	59	2	3	17	13			108
Lock Haven	1				1		1		1	2	1	1		5	13
Mansfield	1					2	1	4	4	1	3			4	20
Millersville	13		2		3	2	16	1	1	10	4			1	53
Shippensburg	3		3		2		26	2		5	9				50
Slippery Rock	3	17	32	12						1	2		3	1	71
West Chester	5		1		38	21	6		1	23	3				98

Appendix I (cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Total Private State-Aided	21	1	0	0	10	75	4	0	0	19	0	0	0	1	131
Delaware Valley	3					2								1	6
Dickinson (Law)															
Drexel	9				4	30	1			2					46
Hahnemann	3					6									9
Lincoln															
Medical College of Pa.															
Pa. Optometry		1													1
P. Podiatry															
Philadelphia Art	1					5	1			1					8
Philadelphia Osteo.															
Philadelphia Textile	2				2	12				7					23
Thomas Jefferson							1								1
University of Pa. 27 Main Campus - 2 Wharton in Montgomery	3				4	20	1			9					37
Total Private	25	8	151	32	25	135	24	34	83	31	45	7	9	11	620
Academy of the New Church												4			4
Albright			1					1							1
Allegheny								3				2			1
Allentown-St. Francis															5
Alliance															
Alvernia															
Antioch/Philadelphia															
Baptist Bible						2				2					6
Beaver	2														
Bryn Mawr															
Bucknell					1	2				1					4
Cabrini			7	1											8
Carlow			4												4
Carnegie-Mellon															

Appendix I (cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (continued)															
Cedar Crest															
Chatham															
Chestnut Hill						1									1
College Misericordia									14						14
Combs															
Curtis															
Dickinson						1	3								4
Dropsie															
Duquesne		2	76	2				1					1		82
Eastern															
Elizabethtown	1						7								8
Franklin & Marshall							1								1
Gannon		1				1		1							3
Geneva			1	18			1								20
Gettysburg							1								1
Gratz															
Grove City		3													3
Gwynedd-Mercy	8					3				7					18
Haverford										2					2
Holy Family	4					2									6
Immaculata															
Juniata															
King's								3	35	1				1	40
Lafayette											4				4
Lancaster Bible															
LaRoche			3												3
LaSalle	3				2	70				1					76
Lebanon Valley	1														1
Lehigh								4		1	6				11
Lycoming														6	6
Marywood												1			1
Mercyhurst				1			1								2

Appendix I (cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (continued)															
Messiah	1						1	1	1	1					5
Moore															
Moravian								11			32				43
Muhlenberg								4							4
New School of Music															
Our Lady of Angels															
Philadelphia Bible						4		1							5
Phila. Phar. & Sci.															
Phila. Musical	1														1
Point Park			13	1				1	1					1	17
Reconstructionist Rabbinical															
Robert Morris		2	43	8									2	1	56
Rosemont	1														1
St. Fidelis															
St. Francis											1				1
St. Joseph's					4	36				1	1				42
St. Vincent													4		4
Seton Hill													2		2
Spring Garden	1					7			3	1					12
Susquehanna							1							2	3
Swarthmore															
Thiel	1														1
United Wesleyan															
University of Scranton															
Ursinus										2					2
Villa Maria															
Villanova					8	5				11					24
Washington and Jefferson			1												1
Waynesburg			1												1
Westminster															
Widener	1				10	1									12
Wilkes									25						25
Wilson															
York			1	1			8	3	4		1				18

Appendix 2

1973-74 Graduate Transfers from Community College of Allegheny County to Receiving Institution by Campus

Institution	Total	Allegheny Campus	Boyce Campus	South Campus
Grand Total	615	237	185	193
Out-of-State	95	22	13	60
State-Related	238	107	80	51
Penn State	32	16	7	9
Univ. of Pittsburgh	206	91	73	42
State-Owned	131	46	38	47
California	32	13	15	24
Clarion	4	1	3	
Edinboro	16	6	4	6
Indiana	21	13	2	6
Millersville	2		1	1
Shippensburg	3		1	2
Slippery Rock	32	13	11	8
West Chester	1		1	
Private	151	62	54	35
Allegheny	1	1		
Carlow	7	3	2	2
Carnegie Mellon	4	2	1	1
Duquesne	76	29	28	19
Geneva	1	1		
LaRoche	3	3		
Point Park	13	4	9	
Robert Morris	43	16	14	13
Washington & Jefferson	1	1		
York	1	1		
Waynesburg	1	1		

Appendix 3

Community College Transfers in 1973-1974 as Reported by Receiving Institution

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Grand Total	378	127	787	72	254	736	427	172	175	479	165	23	85	121	4,001
Total State-Related	193	12	460	5	87	524	211	50	22	247	42	4	31	20	1,908
Lincoln															
Penn State	55	8	56	3	32	34	195	29	15	48	26		3	19	523
Temple	138	1	4		55	489	13	17	6	199	16	4	19		961
University of Pittsburgh		3	400	2		1	3	4	1				9	1	424
Total State-Owned	106	93	203	23	85	45	151	53	54	138	70	7	35	65	1,128
Bloomsburg	15						7	5	19	19	5			18	88
California	1	9	55	7			3			1			13	2	91
Cheyney			1		5	10	1			1			1		19
Clarion	2	8	24	6			2			1			2	3	48
East Stroudsburg	17						4	21	13	22	36			2	115
Edinboro	1	7	33	3		1	2			2	1	1	6	1	58
Indiana University	13	9	44	2		1	11	1	2	9		1	11	3	107
Kutztown															
Lock Haven	3	1	1		1	1	5	2	1	4	2			17	38
Mansfield	5	2	1		1	3	7	11	14	4	4	1		14	67
Millersville	19		2		7	2	54	5	2	29	9	3		4	136
Shippensburg	6	1	2		1		41	6		8	7			1	73
Slippery Rock	6	56	40	5	2		1			1	3		2		116
West Chester	18				68	27	13	2	3	37	3	1			172

Appendix 3 (Cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Total Private State-Aided	35			9	13	89	10	3		34	2	1		2	198
Delaware Valley	8					3	1	1		3					16
Dickinson (Law)							4								4
Drexel	12				11	35	3	1		12	2			2	78
Hahnemann	3					6				1					10
Lincoln						3		1							4
Medical College of Pa.															
Pa. Optometry															
Pa. Podiatry															
Phila. Art	3					7				3		1			14
Phila. Osteo.															
Phila. Textile	2					15				5					22
Thomas Jefferson	1			9	1		1			3					15
University of Pa.	6				1	20	1			7					35
Total Private	44	22	124	35	69	78	55	66	99	60	51	11	19	34	767
Academy of the New Church															
Albright	1											2			3
Allegheny										1					1
Allentown-St. Francis	2							5			1				8
Alliance			5												5
Alvernia	1							28			2	6			37
Antioch	1														1
Baptist Bible															
Beaver	1				1	2				7					11
Bryn Mawr															
Bucknell															
Cabrini					2	2				3					7
Carlow			6	1											7

Appendix 3 (Cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (Cont'd)															
Cargegie Mellon			8				1								9
Cedar Crest								3			1				4
Chatham			6												6
Chestnut Hill						1				1					2
College Misericordia									25						25
Combs															
Curtis															
Dickinson						1									1
Dropsie															
Duquesne															
Eastern															
Elizabethtown							17			1		1			19
Franklin & Marshall															
Gannon		3				1		1			1				6
Geneva		3	2	13			2								20
Gettysburg							1								1
Gratz															
Grove City		8													8
Gwynedd Mercy	6				3	5				11					25
Haverford															
Holy Family	3					2									5
Immaculata															
Juniata					1		2								3
King's								3	50						53
Lafayette								1			1				2
Lancaster Bible										1					1
LaRoche			9	3									1		13
LaSalle															
Lebanon Valley	1		1			1	3	7							13

Appendix 3 (Cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (Cont'd)															
Lehigh	2										7				9
Lycoming							2			1	1			25	29
Marywood												1			1
Mercyhurst							2								2
Messiah	1						4	1	1	1		1			9
Moore															
Moravian								9		2	33				44
Muhlenberg	1							2		1					4
New School of Music															
Our Lady of Angels					1										1
Phila. Bible	9		1		4	4	1	4		2				3	28
Phila. Phar. & Sc.															
Phila. Musical					1	1									2
Point Park			20										2		22
Reconstruc. Rabbinical															
Robert Morris		4	50	16									2		72
Rosemont	1				1										2
St. Fidelis		1													1
St. Francis	1		1												2
St. Joseph's	5				31	44				14					94
St. Vincent			6										10		15
Seton Hill			2										4		6
Spring Garden	3				3	7			1	2					16
Susquehanna							2							3	5
Swarthmore															
Thiel															
United Wesleyan											1				1
Un. of Scranton									3						3
Ursinus			1							6					7
Villa Maria															

Appendix 3 (Cont'd)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (Cont'd)															
Villanova	2				4	5				3					14
Washington & Jefferson			2												2
Waynesburg			2												2
Westminster		2	1												3
Widener	3				17	2				2					24
Wilkes									14						14
Wilson				1			1				1			2	5
York		1	1	1			17	2	5	1	2			1	31

Appendix 4

TRANSFERS FROM OTHER INSTITUTIONS BY CLASS AND INSTITUTIONAL CATEGORY, SUMMER AND FALL 1974[1]

	Transfers by Class				
	Total	Freshmen	Sophomores	Juniors	Seniors
Total Transfers, All Institutions	15 927	4 379	5 011	6 153	384
From Institutions in Pennsylvania	11 294	2 902	3 253	4 939	200
Community Colleges	4 171	694	1 114	2 339	24
Private Junior Colleges	519	70	133	309	7
Four-Year Institutions	6 226	1 986	1 901	2 176	163
Others	378	152	105	115	6
From Institutions Outside Pennsylvania	4 633	1 477	1 758	1 214	184
Two-Year Institutions	1 070	300	383	364	23
Four-Year Institutions	3 212	995	1 298	768	151
Others	351	182	77	82	10
Total Transfers, State-Owned Institutions	3 690	958	1 580	1 070	82
From Institutions in Pennsylvania	2 676	682	1 163	776	55
Community Colleges	1 128	198	490	435	5
Private Junior Colleges	134	21	50	61	2
Four-Year Institutions	1 230	389	560	239	42
Others	184	74	63	41	6
From Institutions Outside Pennsylvania	1 014	276	417	294	27
Two-Year Institutions	331	78	132	119	2
Four-Year Institutions	639	191	282	141	25
Others	44	7	3	34	-
Total Transfers, State-Related Commonwealth Universities	5 102	912	1 085	3 045	60
From Institutions in Pennsylvania	4 342	721	785	2 793	43
Community Colleges	1 893	224	287	1 370	12
Private Junior Colleges	142	5	22	115	-
Four-Year Institutions	2 230	465	458	1 276	31
Others	77	27	18	32	-
From Institutions Outside Pennsylvania	760	191	300	252	17
Two-Year Institutions	156	31	65	60	-
Four-Year Institutions	559	146	230	167	16
Others	45	14	5	25	1

[1]Supplemental Enrollment Data of Institutions of Higher Education in Pennsylvania, Fall 1974, Division of Educational Statistics, Bureau of Information Systems, Pennsylvania Department of Education, pp. 16-18.

Appendix 4

TRANSFERS FROM OTHER INSTITUTIONS BY CLASS AND INSTITUTIONAL CATEGORY, SUMMER AND FALL 1974--Continued

	Transfers by Class				
	Total	Freshmen	Sophomores	Juniors	Seniors
Total Transfers, Community Colleges	1 069	865	204	-	-
From Institutions in Pennsylvania	637	528	109	-	-
Community Colleges	75	56	19	-	-
Private Junior Colleges	11	9	2	-	-
Four-Year Institutions	536	450	86	-	-
Others	15	13	2	-	-
From Institutions Outside Pennsylvania	432	337	95	-	-
Two-Year Institutions	61	49	12	-	-
Four-Year Institutions	223	171	52	-	-
Others	148	117	31	-	-
Total Transfers, Private State-Aided Institutions	1 025	218	348	448	11
From Institutions in Pennsylvania	593	120	171	297	5
Community Colleges	190	25	59	106	-
Private Junior Colleges	28	2	9	17	-
Four-Year Institutions	368	92	100	171	5
Others	7	1	3	3	-
From Institutions Outside Pennsylvania	432	98	177	151	6
Two-Year Institutions	99	32	32	35	-
Four-Year Institutions	323	65	141	111	6
Others	10	1	4	5	-
Total Transfers, Private Colleges and Universities	4 465	1 031	1 615	1 589	230
From Institutions in Pennsylvania	2 610	546	895	1 073	96
Community Colleges	771	117	219	428	7
Private Junior Colleges	191	20	50	116	5
Four-Year Institutions	1 558	377	607	490	84
Others	90	32	19	39	-
From Institutions Outside Pennsylvania	1 855	485	720	516	134
Two-Year Institutions	374	76	127	150	21
Four-Year Institutions	1 377	366	559	348	104
Others	104	43	34	18	9

Appendix 4

TRANSFERS FROM OTHER INSTITUTIONS BY CLASS AND INSTITUTIONAL CATEGORY, SUMMER AND FALL 1974--Concluded

	Transfers by Class				
	Total	Freshmen	Sophomores	Juniors	Seniors
Total Transfers, Theological Seminaries	9	3	4	1	1
From Institutions in Pennsylvania	7	3	3	-	1
Community Colleges	-	-	-	-	-
Private Junior Colleges	-	-	-	-	-
Four-Year Institutions	7	3	3	-	1
Others	-	-	-	-	-
From Institutions Outside Pennsylvania	2	-	1	1	-
Two-Year Institutions	-	-	-	-	-
Four-Year Institutions	2	-	1	1	-
Others	-	-	-	-	-
Total Transfers, Private Junior Colleges	343	219	124	-	-
From Institutions in Pennsylvania	238	154	84	-	-
Community Colleges	51	27	24	-	-
Private Junior Colleges	6	6	-	-	-
Four-Year Institutions	179	119	60	-	-
Others	2	2	-	-	-
From Institutions Outside Pennsylvania	105	65	40	-	-
Two-Year Institutions	34	20	14	-	-
Four-Year Institutions	71	45	26	-	-
Others	-	-	-	-	-
Total Transfers, Proprietary Schools	224	173	51	-	-
From Institutions in Pennsylvania	191	148	43	-	-
Community Colleges	63	47	16	-	-
Private Junior Colleges	7	7	-	-	-
Four-Year Institutions	118	91	27	-	-
Others	3	3	-	-	-
From Institutions Outside Pennsylvania	33	25	8	-	-
Two-Year Institutions	15	14	1	-	-
Four-Year Institutions	18	11	7	-	-
Others	-	-	-	-	-

Appendix 5

ADMISSIONS OF TRANSFERS WITH ASSOCIATE DEGREES BY CLASS AND INSTITUTIONAL CATEGORY, SUMMER AND FALL 1974[1]

	Transfers with Associate Degrees				
	Total	Freshmen Class	Sophomore Class	Junior Class	Senior Class
Total Transfers, All Institutions	1 560	15	129	1 410	6
State-Owned Institutions	510	-	95	412	3
State-Related Commonwealth Universities	623	-	-	622	1
Community Colleges	4	1	3	-	-
Private State-Aided Institutions	20	-	5	15	-
Private Colleges and Universities	399	10	26	361	2
Theological Seminaries	-	-	-	-	-
Private Junior Colleges	-	-	-	-	-
Proprietary Schools	4	4	-	-	-

[1] Supplemental Enrollment Data of Institutions of Higher Education in Pennsylvania, Fall 1974, Division of Educational Statistics, Bureau of Information Systems, Pennsylvania Department of Education, p. 19.

Appendix 6

COMPARISON OF ACTUAL TRANSFERS FROM PHILADELPHIA COMMUNITY COLLEGE WITH THE COLLEGE'S RECORD OF TRANSCRIPT REQUESTS

	Receiving Institution Report	Transcript Requests
Grand Total	809	2,155
Total State-Related	521	1,167
Lincoln	31	34
Penn State	489	130
Temple	1	989
University of Pittsburgh		14
Total State-Owned	31	138
Bloomsburg		6
Cheyney	5	30
E. Stroudsburg		11
Edinboro		5
Indiana	1	
Mansfield	2	5
Millersville	2	20
West Chester	21	61
Total Private State-Aided	75	360
Delaware Valley	2	
Drexel	30	100
Hahnemann	6	26
Phila. Art	5	54
Phila. Osteopathic		20
Phila. Textile	12	36
University of Pennsylvania	20	124
Total Private	135	396
Beaver	2	10
Cabrini	2	12
Chestnut Hill	1	
Dickinson	1	
Gannon	1	
Gwynedd-Mercy	3	9
Holy Family	2	23
LaSalle	(70)*	141
Moore		70
Phila. Bible	4	
St. Joseph's	36	74
Spring Garden	7	13
Villanova	5	37
Widener	1	7
Out-of-State	(47)*	94

*Estimated

Appendix 7

Age Category Summary of Transfer by Major at Receiving Institutions

Program at Receiving Institution	Total	Not Stated	Under 23	23-30	Over 30
Not Indicated	36	2	21	9	4
Agriculture and Natural Resources	7	0	6	1	0
Architecture and Environmental Design	6	0	6	0	0
Biological Sciences	39	2	23	12	2
Business and Management	259	16	149	67	27
Communications	27	1	16	9	1
Computer and Information Sciences	7	0	2	5	0
Education	282	14	201	42	25
Engineering	57	2	35	15	5
Fine and Applied Arts	22	1	15	5	1
Foreign Languages	8	0	7	0	1
Health Professions	52	4	29	13	6
Home Economics	3	0	1	1	1
Law	2	0	2	0	0
Letters	34	1	24	9	0
Library Science	1	0	1	0	0
Mathematics	17	0	14	3	0
Aerospace	2	0	2	0	0
Physical Sciences	11	0	7	3	1
Psychology	66	5	37	19	5
Public Affairs and Services	48	3	25	13	7
Social Sciences	154	5	94	37	18
Theology	3	0	1	2	0
Interdisciplinary Studies	36	2	21	6	7
Other	5	2	1	0	2
Grand Total	1,184	60	740	271	113
(Per Cent)	(100.0)	(5.1)	(62.5)	(22.9)	(9.5)

Appendix 8

Summary of Transfers by Community College Program With Indication of Students' GPA and Transfer Difficulties

Community College Program	Number	GPA*				Difficulties**				
		0	1	2	3	Total	1	2	3	4
No Indication	27	6	0	10	11	5	3	0	0	2
Architecture	5	0	0	2	3	1	1	0	0	0
Architectural Design	2	0	0	1	1	0	0	0	0	0
Biology	25	1	0	9	15	2	0	1	0	1
Physiology	1	0	0	1	0	0	0	0	0	0
Biological Science	4	2	0	0	2	2	2	0	0	0
Business, Commerce	17	0	2	11	4	7	5	2	0	0
Accounting	47	2	0	20	25	18	16	0	0	2
Banking & Finance	1	0	0	1	0	0	0	0	0	0
Business Management & Administration	141	10	2	72	57	37	32	2	2	1
Hotel & Restaurant Management	1	0	0	0	1	0	0	0	0	0
Marketing & Purchasing	5	0	0	3	2	2	1	0	0	1
Transportation, Utilities	1	0	0	1	0	1	1	0	0	0
Secretarial Studies	4	0	0	1	3	2	2	0	0	0
Industrial Admin.	2	1	0	0	1	0	0	0	0	0
Textile Management	2	0	0	1	1	1	1	0	0	0
Communications	7	0	0	2	5	1	0	1	0	0
Journalism	5	0	0	1	4	2	2	0	0	0
Computer & Information Science	7	0	0	0	7	2	2	0	0	0
Data Processing	12	0	0	6	6	5	3	1	0	1
Computer Programming	1	0	0	1	0	0	0	0	0	0
Education	48	0	0	25	23	10	8	2	0	0
Elementary Education	91	1	0	32	58	26	22	0	0	4
Secondary Education	23	0	0	9	14	3	3	0	0	0
Special Education	2	0	0	1	1	2	1	1	0	0
Education of Mentally Retarded	1	0	0	0	1	0	0	0	0	0
Preelementary Education	33	2	0	10	21	11	5	1	1	4
Education Administration	1	0	0	1	0	0	0	0	0	0
Art Education	2	0	0	0	2	1	1	0	0	0
Music Education	1	0	0	1	0	1	1	0	0	0
Physical Education	9	0	0	5	4	4	1	1	0	2
Business, Commerce Ed.	6	0	0	3	3	3	2	0	0	1
Early Childhood Ed.	13	2	0	3	8	7	4	1	0	2
Library Science Ed.	1	0	0	0	1	0	0	0	0	0
Nursing Education	3	0	0	0	3	3	0	3	0	0
Engineering	14	4	0	5	5	6	5	0	0	1
Aerospace Engineering	1	0	0	1	0	0	0	0	0	0
Architectural Engin.	3	0	0	1	2	1	1	0	0	0

* GPA-Grade Point Average: Less than 2.0 = 1, 2.1-3.0 = 2, 3.1-4.0 = 3, not stated = 0.

**Type of difficulties: 1. transfer of credits, 2. financial, 3. housing, 4. administrative problems such as transcripts not arriving on time.

Appendix 8 (Cont'd)

Community College Program	Number	GPA*				Difficulties**				
		0	1	2	3	Total	1	2	3	4
Civil, Construction Transportation Engin.	9	0	0	4	5	0	0	0	0	0
Electrical Engineering	18	0	0	7	11	4	2	1	0	1
Mechanical Engineering	4	0	0	3	1	1	0	0	0	1
Industrial Engineering	1	1	0	0	0	0	0	0	0	0
Engineering Science	3	0	0	1	2	3	3	0	0	0
Engineering Design	2	0	0	0	2	2	2	0	0	0
Fine Arts	5	0	0	3	2	2	1	0	0	1
Art	6	0	0	2	4	5	3	0	0	2
Art History	1	0	0	0	1	1	0	0	0	1
Music	2	0	0	0	2	1	1	0	0	0
Applied Design	5	1	0	1	3	2	1	0	0	1
Photography	1	0	0	1	0	0	0	0	0	0
Art and Design	1	0	0	0	1	0	0	0	0	0
Fine and Applied Arts	2	1	0	0	1	0	0	0	0	0
General Arts	32	1	1	8	22	10	9	0	0	1
German	1	0	0	0	1	0	0	0	0	0
Spanish	1	0	0	0	1	1	1	0	0	0
Nursing	21	3	0	6	12	4	4	0	0	0
Occupational Therapy	2	0	0	1	1	1	1	0	0	0
Dental Hygiene	1	0	0	1	0	0	0	0	0	0
Medical Record Libr.	1	0	0	1	0	0	0	0	0	0
Chiropractic	1	0	0	1	0	0	0	0	0	0
Medical Lab. Technol.	4	2	0	2	0	2	2	0	0	0
Inhalation Therapy	3	0	0	2	1	1	1	0	0	0
Child Care	6	2	0	0	4	4	4	0	0	0
Family Relations	5	3	0	0	2	1	0	0	0	1
Foods & Nutrition	1	0	0	0	1	0	0	0	0	0
Law	1	0	0	0	1	0	0	0	0	0
English	8	0	0	3	5	2	1	0	0	1
Literature	1	0	0	0	1	1	0	1	0	0
Library Science	3	0	0	2	1	1	0	0	0	1
Mathematics	15	1	0	4	10	3	3	0	0	0
Aerospace	2	0	0	1	1	1	1	0	0	0
Physics	1	0	0	0	1	0	0	0	0	0
Chemistry	4	0	0	2	2	2	1	1	0	0
Pharmaceutical Chemistry	1	0	0	0	1	1	1	0	0	0
Psychology	23	0	0	7	16	7	4	1	0	2
Social Psychology	6	0	0	0	6	0	0	0	0	0
Parks & Recreation Mgmt.	2	0	0	2	0	0	0	0	0	0
Social Work	12	0	0	5	7	6	3	0	0	3
Law Enforcement	6	0	0	2	0	1	1	0	0	0
Safety Management	1	1	0	0	0	0	0	0	0	0
Public Service	2	0	0	1	1	0	0	0	0	0
Administration of Justice	6	1	0	3	2	4	4	0	0	0
Urban/Public Affairs	1	0	0	1	0	0	0	0	0	0
Social Sciences	32	5	1	8	18	11	8	1	0	2
History	5	0	0	3	2	2	2	0	0	0

* GPA-Grade Point Average: Less than 2.0 = 1, 2.1-3.0 = 2, 3.1-4.0 = 3, not stated = 0.

**Type of difficulties: 1. transfer of credits, 2. financial, 3. housing, 4. administrative problems such as transcripts not arriving on time.

Appendix 8 (Cont'd)

Community College Program	Number	GPA*				Difficulties**				
		0	1	2	3	Total	1	2	3	4
Political Science	9	0	0	4	5	2	1	0	0	1
Sociology	2	0	0	2	0	1	1	0	0	0
Criminology	73	5	0	35	33	11	9	0	0	2
Social Welfare	3	0	0	2	1	2	0	0	0	2
Gen. Liberal Arts	244	33	1	93	117	74	51	11	1	11
Humanities	2	0	0	0	2	1	0	1	0	0
Behavioral Sciences	1	0	0	1	0	1	1	0	0	0
Business/Chemistry	1	0	0	0	1	0	0	0	0	0
Electronics, Machine Technologies	2	0	0	1	1	1	0	0	0	1
Natural Science	1	0	0	0	1	0	0	0	0	0
Other	6	4	0	1	1	0	0	0	0	0
Grand Total	1,184	95	7	467	615	346	252	33	4	57

* GPA-Grade Point Average: Less than 2.0 = 1, 2.1-3.0 = 2, 3.1-4.0 = 3, not stated = 0.
**Type of difficulties: 1. transfer of credits, 2. financial, 3. housing, 4. administrative problems such as transcripts not arriving on time.

Appendix 9

Transfer by Program at Community College to Program at Receiving Institution with Indication of Student's GPA and Transfer Difficulties

Program at Community College	No.	Program at Receiving Institution	GPA* 0	1	2	3	Credit Transfer Difficulties
Biology (25)	13	Biology			6	7	2
Business Commerce (17)	7	Accounting		2	5		4
Accounting (47)	40	Accounting	1		18	21	22
Business Management & Administration (141)	27	Accounting	2		13	12	10
	81	Business Management & Administration	7		44	30	25
	6	Marketing & Purchasing			3	3	1
	6	Economics			3	3	1
Total	120		9	0	63	48	37
Data Processing (12)	5	Business Management & Administration			3	2	1
Education (48)	8	Education			4	4	2
	13	Elementary Education			6	7	3
Total	21		0	0	10	11	5
Elementary Education (91)	66	Elementary Education	1		26	39	28
	7	Special Education			2	5	3
Total	73		1	0	28	44	31
Secondary Education (23)	8	Secondary Education			3	5	1
Preelementary Educ. (33)	13	Elementary Education			4	9	10
	5	Special Education			2	3	3
Total	18		0	0	6	12	13
Physical Education (9)	7	Physical Education			5	2	9
Early Childhood Educ. (13)	7	Elementary Education			2	5	8
Civil, Construction & Transp. Engin. (9)	9	Civil, Construction & Transp. Engineering			4	5	0
Electrical Engineering (18)	15	Electrical, Electronics & Comm.			6	9	8

*GPA - Grade Point Average. Less than 2.0 = 1, 2.1-3.0 = 2, 3.1-4.0 = 3, not stated = 0.

Appendix 9 (Cont'd)

Program at Community College	No.	Program at Receiving Institution	GPA* 0	1	2	3	Difficulties
Nursing (21)	16	Nursing	2		5	9	2
Mathematics (15)	8	Mathematics	1			7	1
Psychology (23)	11	Psychology			3	8	3
Social Work (12)	11	Social Work			5	6	11
Law Enforcement (6)	5	Law Enforcement			2	3	1
Social Sciences (32)	5	Social Sciences	2		2	1	1
Political Science & Government (9)	8	Political Science & Government			3	5	5
Criminology (73)	8	Social Sciences			2	6	0
	36	Criminology	4		19	13	5
Total	44		4	0	21	19	5
General Liberal Arts & Sciences (244)	9	No Indication	1		4	4	2
	8	Biology	1		3	4	1
	12	Accounting	1		8	3	10
	5	Business Management & Administration	1			4	3
	10	Journalism	1		3	6	1
	7	Education			3	4	2
	14	Elementary Education	3		6	5	6
	9	Special Education	2		1	6	6
	8	English	1		3	4	1
	6	Mathematics			3	3	6
	33	Psychology	5	1	12	15	16
	8	Social Sciences			3	5	8
	9	Political Science & Government			6	3	6
	7	Sociology			4	3	3
	11	General Liberal Arts	1		5	5	9
	156		17	1	64	74	80
GRANT TOTAL	607		37	3	264	303	250

*GPA - Grade Point Average. Less than 2.0 = 1, 2.1-3.0 = 2, 3.1-4.0 = 3, not stated = 0.

Appendix 10

PROGRAMS AT FOUR-YEAR INSTITUTIONS
WITH FIVE OR MORE COMMUNITY COLLEGE TRANSFERS

Program	Total	Total State Related	Penn State University Pk	Capitol Campus	Temple	U. of Pgh.	State Aided Drexel	Total State College	E. Stroudsburg	Indiana	Kutztown	Millersville	Slippery Rock	W. Chester	Total Private	LaSalle	Moravian	Robert Morris	York
	T	State Related						State Owned							Private				
Accounting	50	35	7	16	12		6								9			9	
Bus. Mgmt. & Admin.	75	57		43	14			5			5				13	6		7	
Criminology	18	5				5		13		7				7					
Economics	6														6		6		
Elec., Electronics & Com.	6	6		6															
Early Childhood Ed.	6	6			6														
Elem. Ed.	86	41	5	16	20			45	9		12	8	7	9					
Special Ed.	16							11			6		5		5	5			
English	7	7			7														
Journalism	8	8			8										8				8
Law Enforcement & Corr.	8																		
Library Arts & Sci., Gen.	7	7			7														
Pharmacy	5	5			5														
Political Sci. & Government	5	5			5														
Psychology	29	18			11	7		11			6			5					
Social Psychology	7	7		7											5	5			
Sociology	5																		
Social Services	14	14		14															
Social Welfare	7	7			7														
Social Work	12	12			5	7													
Total	377	240	12	102	107	19	6	85	9	7	29	8	12	20	46	16	6	16	8

TRANSFERS BY PROGRAM AT EACH RECEIVING INSTITUTION WITH INDICATION OF STUDENTS' GPA, INSTITUTIONAL CHOICE, CREDITS COMPLETED, CREDITS ACCEPTED AND DIFFICULTIES

REGION 1

College/Program	No.	GPA				Choice			Credits Completed				Credits Accepted			Difficulties				
		0	1	2	3	1	2	3	0	1	2	3	0	1	2	T	1	2	3	4
Drexel																				
Accounting	6			3	3	6				1	4	1	4	1	1					
Total	6	0	0	3	3	6	0	0	0	1	4	1	4	1	1	0	0	0	0	0
LaSalle																				
Business Management & Admin.	6			2	4	5		1		1	4	1	4	2		1	1			
Special Education	5			1	4	5				1	3	1	3	2		3	2	1		
Sociology	5			2	3	5					4	1	3	2		2	2			
Total	16	0	0	5	11	15	0	1	0	2	11	3	10	6	0	6	5	1	0	0
Temple																				
Accounting	12	1		6	5	11	1				11	1	9	1	2	8	7			1
Business Management & Admin.	14	1		7	6	13	1		1	1	10	2	6	7	1	7	6			1
Journalism	8			4	4	7	1			1	6	1	5	3		1	1			
Elementary Education	20			4	16	18	2				16	4	9	10	1	6	3			3
Early Childhood Education	6			2	4	6				1	5		3	2	1					
Pharmacy	5			2	3	4	1				5		4	1		1	1			
English	7			1	6	6		1		1	6		4	2	1	1				1
Psychology	11			6	5	10	1			1	10		7	4		2	1			1
Social Work & Helping Services	5			2	3	2	3				4	1	3	2		3	2			1
Political Sciences & Gov't.	5			4	1	5					5		1	3	1	2	1			1
Social Welfare	7			2	5	7					6	1	4	3		3	1			2
Gen. Library Arts & Science	7	1		3	3	7					7		7			1				1
Total	107	3	0	43	61	96	10	1	1	5	91	10	62	38	7	35	23	0	0	12

Legend

GPA - Grade Point Average
0 = not stated
1 = less than 2.0
2 = 2.1 - 3.0
3 = 3.1 - 4.0

Credits Completed
0 = not stated
1 = under 60
2 = 60-70
3 = over 70

Credits Accepted
0 = not stated
1 = total credits accepted
2 = not all credits accepted

Difficulties
0 = none stated
1 = credits not being accepted
2 = financial aid
3 = housing
4 = administrative delay, transcript not arriving on time, etc.

Appendix 11 (continued)

TRANSFERS BY PROGRAM AT EACH RECEIVING INSTITUTION WITH INDICATION OF STUDENTS' GPA, INSTITUTIONAL CHOICE, CREDITS COMPLETED, CREDITS ACCEPTED AND DIFFICULTIES

REGIONS 1 and 2

College/Program	No.	GPA				Choice			Credits Completed				Credits Accepted			Difficulties				
		0	1	2	3	1	2	3	0	1	2	3	0	1	2	T	1	2	3	4
West Chester																				
Elementary Education	9			4	5	9					7	2	7	1	1	4	4			
Psychology	5		1	2	2	3	2				4	1	2	2	1	1	1			
Criminology	6			3	3	5	1				6		4	2		1	1			
Total	20	0	1	9	10	17	3	0	0	0	17	3	13	5	2	6	6	0	0	0
REGION II																				
East Stroudsburg																				
Elementary Education	9			2	7	8	1			3	4	2	4	4	1	5	4			1
Total	9	0	0	2	7	8	1	0	0	3	4	2	4	4	1	5	4	0	0	1
Kutztown																				
Business Management & Admin.	5	2		3		5			1		4		3	1	1	2	2			
Elementary Education	12	1		6	5	11	1			1	11		6	4	2	5	4		1	
Special Education	6	2		2	2	5	1			3	3		2	1	3	3	2	1		
Psychology	6	4		1	1	5	1		1	2	3		6			1	1			
Total	29	9	0	12	8	26	3	0	2	6	21	0	17	6	6	11	9	1	1	0
Moravian																				
Economics	6	1		3	2	5	1		1		5		3	2	1	2	2			
Total	6	1	0	3	2	5	1	0	1	0	5	0	3	2	1	2	2	0	0	0

TRANSFERS BY PROGRAM AT EACH RECEIVING INSTITUTION WITH INDICATION OF STUDENTS' GPA, INSTITUTIONAL CHOICE, CREDITS COMPLETED, CREDITS ACCEPTED AND DIFFICULTIES

REGIONS 5 AND 6

College/Program	No.	GPA				Choice			Credits Completed				Credits Accepted			Difficulties				
		0	1	2	3	1	2	3	0	1	2	3	0	1	2	T	1	2	3	4
REGION V																				
The Pennsylvania State University																				
Accounting	7			4	3	6	1				5	2	5	1	1	2	1	1		
Elementary Education	5	1		2	2	5			1	2	2		3	2		1	1			
Total	12	1	0	6	5	11	1	0	1	2	7	2	8	3	1	3	2	1	0	0
REGION VI																				
Millersville																				
Elementary Education	8			3	5	6	2			1	6	1	7	1		4	3			1
Total	8	0	0	3	5	8	2	0	0	1	6	1	7	1	0	4	3	0	0	1
The Pennsylvania State University (Capitol Campus)																				
Accounting	16	1		7	8	16			1	4	10	1	11	5		1	1			
Business Management & Admin.	43	5		22	16	42	1		3	2	32	6	31	10	2	5	4			1
Elementary Education	16	2		5	9	16				3	13		9	7		1	1			
Electrical, Electronics & Communications	6			2	4	6					4	2	4	2						
Social Psychology	7			2	5	7					6	1	5	2						
Social Sciences	14			4	10	13	1			1	13		9	5		1	1			
Total	102	8	0	42	52	100	2	0	4	10	78	10	69	31	2	8	7	0	0	1
York																				
Law Enforcement & Correction	8			6	2	7	1				6	2	4	3	1					
Total	8	0	0	6	2	7	1	0	0	0	6	2	4	3	1	0	0	0	0	0

Appendix 11 (continued)

TRANSFERS BY PROGRAM AT EACH RECEIVING INSTITUTION WITH INDICATION OF STUDENTS' GPA, INSTITUTIONAL CHOICE, CREDITS COMPLETED, CREDITS ACCEPTED AND DIFFICULTIES

REGION 8

College/Program	No.	GPA				Choice			Credits Completed				Credits Accepted			Difficulties				
		0	1	2	3	1	2	3	0	1	2	3	0	1	2	T	1	2	3	4
Indiana																				
Criminology	7		1		5	1	7				1	4	2	4	3		2	2			
Total	7	1	0	5	1	7	0	0	0	1	4	2	4	3	0	2	2	0	0	0
Robert Morris																				
Accounting	9			5	4	9					5	4	7	2		4	4			
Business Management & Admin.	7			3	4	6	1				6	1	6	1		1	1			
Total	16	0	0	8	8	15	1	0	0	0	11	5	13	3	0	5	5	0	0	0
Slippery Rock																				
Elementary Education	7	1		3	3	7					7		2	5						
Special Education	5				5	5					5		4	1						
Total	12	1	0	3	8	12	0	0	0	0	12	0	6	6	0	0	0	0	0	0
University of Pittsburgh																				
Psychology	7				7	7					7		7			3	3			
Social Work & Helping Services	7			2	5	7			1	1	5		2	4	1	4	2			2
Criminology	5			2	3	5					5		2	3		1	1			
Total	19	0	0	4	15	19	0	0	1	1	17	0	11	7	1	8	6	0	0	2

Appendix 12

Community College Transfers to Penn State Capitol Campus by Sex and Veteran Status for 73-74, 72-73 and 71-72

Degree Program Entered at Capitol Campus	Total	73-74				72-73				71-72			
		Male		Female		Male		Female		Male		Female	
		Vet	NonVet	Vet	NonVet	Vet	NonVet	Vet	NonVet	Vet	NonVet	Vet	NonVet
Business	155	39	50	1	11	21	20	1	4	5	3		
Elementary Education	44	1	3		25	1	4		7		2		1
Humanities	24	2	8		4		4		4				2
Math Science	6		3		1	1					1		
Social Science	76	10	20		12	4	14		9		2		4
Building Construction Technology	8	1	7										
Electrical Design Engineering Technology	20	6	13			1							
Mechanical Design Engineering Technology	1						1						
Transportation Technology	6		4		1	1							
Water Resources Technology	7	1	3				2				1		
Grand Total	347	60	111	1	54	29	45	1	24	6	9		7